Design Engineering's index for 1979

Assembly
Design automates wheel-rim welding ..... Feb p37
Fusion splicing: key to low loss fiber optics .... Mar p18
Efficient new ways to fasten assemblies ..... May p18
Rivets reduce costs, improve productivity ..... May p24
The ABC's of X-Y positioning ..... Sep p20
Automation for productivity and profit ..... Nov p18

Careers
Keeping up your morale ..... Jan p44
How to tell if your career is on the rocks ..... Mar p40
How to make job contacts ..... May p60
How to reply to job ads ..... July p120
Your choice—lifestyle or career ..... Sep p52
Job hunting: telltale track records ..... Nov p48

Design office
The outlook for Canadian industrial design .... Jan p27
Research and design with computer graphics .. Feb p14
Computer helps Canadair design the 'Challenger' ..... Feb p18
A primer on patents for inventions ..... Feb p22
Computer-aided design: a matter of choice .... Feb p28
Priority crises: use the Division Principle ..... Feb p39

Electrical and electronic
The shrinking world of electronic chips ..... Jan p12
New electronics spawn new cabinetry ..... Jan p16
An introduction to inlay clad metals ..... Jan p18
Ontario connectors are a hit in the Orient ..... Jan p20
Answers to questions on circuit protection ..... Jan p24
Fiber optics: a growing technology ..... Mar p12
The Canadian fiber optic market: an overview Mar p14
Design factors for fiber optic connectors ..... Mar p15
Fusion splicing: key to low-loss fiber optics ... Mar p18
Big Brother on the buses ..... May p32
Aircraft temperature controls dominate field .. Jun p24
Control systems keyed to cut energy use ..... Jun p25
Small stepping motors offer big advantages .... Jun p30
Solving card-edge connector problems ..... July p88
Spectrum analyzer speeds equipment tests ..... Sep p16
Automation for productivity and profit ..... Nov p18
Microprocessor development systems ..... Nov p30
The microprocessor: fluid power's new control Nov p34
Electric motors: a quest for more efficiency .... Dec p16
Ontario Hydro study examines motor efficiency Dec p16
How Dow tests induction motor efficiency ..... Dec p19
Induction motor efficiencies: new imperatives .. Dec p22
Write motor specs to include efficiency ..... Dec p27
Application of large squirrel cage induction motors: performance vs efficiency ..... Dec p30
Update: motors, accessories and controls ..... Dec p51

Fluid power
New hydraulic motor designed in Canada ..... Feb p35
Loads move easily on air film track ..... July p52
Designing hydraulic systems to save energy... July p55
Canada's Fluid Power and Controls Buyers' Guide July p60
CDE '79: Official Show Guide ..... Nov p14
The microprocessor: fluid power's new control Nov p34

Materials
New electronics spawn new cabinetry ..... Jan p16
An introduction to inlay clad metals ..... Jan p18
Fiber optics: a growing technology ..... Mar p12
The Canadian fiber optic market: an overview Mar p14
Design factors for fiber optic connectors ..... Mar p15
Fusion splicing: key to low-loss fiber optics ... Mar p18
Foam finding more uses in larger parts ..... Apr p14
Welded wireforms are strong contenders ..... Apr p16
Trends in materials and applications ..... Apr p20
Why automatic hot forging of parts is growing May p27
An update on finishes for steel appliances ..... May p30
Flat wire: narrow steel with a widening future . Jun p32
Canadian steel-rolling process leads world ..... Sep p14
Understanding elastomeric material blending .. Oct p36

Mechanical power transmission
What's new in brakes and clutches ..... Mar p22
What's new in shaft couplings ..... Jun p26
Small stepping motors offer big advantages .... Jun p30
Basics of lobed bearing design ..... Oct p26
Tests simulate zero gravity on earth ..... Oct p33
Mechanical Power Transmission Buyers' Guide Oct p48

Miscellaneous
The outlook for Canadian industrial design .... Jan p27
A primer on patents for inventions ..... Feb p22
An economical airborne camera platform ..... Feb p32
Priority crises: use the Division Principle ..... Feb p39
Diverse conference and big show planned ..... Apr p30
Canadian show draws worldwide wares ..... Apr p34
Big Brother on the buses ..... May p32
Exporting Canadian design expertise ..... Jun p20
Geophysical instruments find market in China . Jun p21
Seismic fish is latest from high export firm ..... Jun p22
Energy: where do we go from here? ..... Aug p14
New system designed to save submariners ..... Sep p25
CDE '79: Official Show Guide ..... Nov p14
Automation for productivity and profit ..... Nov p18

Design Engineering's index for 1979

Assembly
Design automates wheel-rim welding ..... Feb p37
Fusion splicing: key to low loss fiber optics .... Mar p18
Efficient new ways to fasten assemblies ..... May p18
Rivets reduce costs, improve productivity ..... May p24
The ABC's of X-Y positioning ..... Sep p20
Automation for productivity and profit ..... Nov p18

Careers
Keeping up your morale ..... Jan p44
How to tell if your career is on the rocks ..... Mar p40
How to make job contacts ..... May p60
How to reply to job ads ..... July p120
Your choice—lifestyle or career ..... Sep p52
Job hunting: telltale track records ..... Nov p48

Design office
The outlook for Canadian industrial design .... Jan p27
Research and design with computer graphics .. Feb p14
Computer helps Canadair design the 'Challenger' ..... Feb p18
A primer on patents for inventions ..... Feb p22
Computer-aided design: a matter of choice .... Feb p28
Priority crises: use the Division Principle ..... Feb p39

Electrical and electronic
The shrinking world of electronic chips ..... Jan p12
New electronics spawn new cabinetry ..... Jan p16
An introduction to inlay clad metals ..... Jan p18
Ontario connectors are a hit in the Orient ..... Jan p20
Answers to questions on circuit protection ..... Jan p24
Fiber optics: a growing technology ..... Mar p12
The Canadian fiber optic market: an overview Mar p14
Design factors for fiber optic connectors ..... Mar p15
Fusion splicing: key to low-loss fiber optics ... Mar p18
Big Brother on the buses ..... May p32
Aircraft temperature controls dominate field .. Jun p24
Control systems keyed to cut energy use ..... Jun p25
Small stepping motors offer big advantages .... Jun p30
Solving card-edge connector problems ..... July p88
Spectrum analyzer speeds equipment tests ..... Sep p16
Automation for productivity and profit ..... Nov p18
Microprocessor development systems ..... Nov p30
The microprocessor: fluid power's new control Nov p34
Electric motors: a quest for more efficiency .... Dec p16
Ontario Hydro study examines motor efficiency Dec p16
How Dow tests induction motor efficiency ..... Dec p19
Induction motor efficiencies: new imperatives .. Dec p22
Write motor specs to include efficiency ..... Dec p27
Application of large squirrel cage induction motors: performance vs efficiency ..... Dec p30
Update: motors, accessories and controls ..... Dec p51

Fluid power
New hydraulic motor designed in Canada ..... Feb p35
Loads move easily on air film track ..... July p52
Designing hydraulic systems to save energy... July p55
Canada's Fluid Power and Controls Buyers' Guide July p60
CDE '79: Official Show Guide ..... Nov p14
The microprocessor: fluid power's new control Nov p34

Materials
New electronics spawn new cabinetry ..... Jan p16
An introduction to inlay clad metals ..... Jan p18
Fiber optics: a growing technology ..... Mar p12
The Canadian fiber optic market: an overview Mar p14
Design factors for fiber optic connectors ..... Mar p15
Fusion splicing: key to low-loss fiber optics ... Mar p18
Foam finding more uses in larger parts ..... Apr p14
Welded wireforms are strong contenders ..... Apr p16
Trends in materials and applications ..... Apr p20
Why automatic hot forging of parts is growing May p27
An update on finishes for steel appliances ..... May p30
Flat wire: narrow steel with a widening future . Jun p32
Canadian steel-rolling process leads world ..... Sep p14
Understanding elastomeric material blending .. Oct p36

Mechanical power transmission
What's new in brakes and clutches ..... Mar p22
What's new in shaft couplings ..... Jun p26
Small stepping motors offer big advantages .... Jun p30
Basics of lobed bearing design ..... Oct p26
Tests simulate zero gravity on earth ..... Oct p33
Mechanical Power Transmission Buyers' Guide Oct p48

Miscellaneous
The outlook for Canadian industrial design .... Jan p27
A primer on patents for inventions ..... Feb p22
An economical airborne camera platform ..... Feb p32
Priority crises: use the Division Principle ..... Feb p39
Diverse conference and big show planned ..... Apr p30
Canadian show draws worldwide wares ..... Apr p34
Big Brother on the buses ..... May p32
Exporting Canadian design expertise ..... Jun p20
Geophysical instruments find market in China . Jun p21
Seismic fish is latest from high export firm ..... Jun p22
Energy: where do we go from here? ..... Aug p14
New system designed to save submariners ..... Sep p25
CDE '79: Official Show Guide ..... Nov p14
Automation for productivity and profit ..... Nov p18